PCTIPTO 18 APR 2005

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PIÉZOELECTRIC ELEMENT BASED ON SUPERHIGH-ORIENTED ALUMINUM NITRIDE THIN FILM AND MANUFACTURING METHOD **THEREOF** the specification of which (check applicable box(s)): is attached hereto November 30, 2004 as U.S. Application Serial No. 10/516,333 (Atty. Dkt. No. was filed on [X]was filed as PCT International application No. PCT/JP03/06796 May 29, 2003 [X] and (if applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application: Priority Foreign Application(s): Day/Month/Year Filed **Application Number** Country 2002-160568 31/May/2002 Japan I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. **Application Number** Date/Month/Year Filed I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below: Status: patented Prior U.S./PCT Application(s): Application Serial No. Day/Month/Year Filed pending, abandoned PCT/JP03/06796 29/May/2003 pending I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint Nixon & Vanderhye P.C., telephone number 703-816-4000 (to whom all communications are to be directed) and the attorneys of: Customer Number 23117, individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent. I also authorize Nixon & Vanderhye to add or delete attorneys from that Customer Number, and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s). Inventor's Signature: Morito **AKIYAMA** Japanese Inventor: (first) M (last) (citizenship) (state/country) Saga Japan Residence: (city) Tosu-shi C/O NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY KYUSYU Mailing Address: 807-1, Shukumachi Tosu-shi Saga Japan 841-0052 (Zip Code) Inventor's Signature: UENO Naohiro Japanese Inventor: (citizenship) MI (last) (first) Residence: (city) Tosu-shi (state/country) Saga Japan CONATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY KYUSYU Mailing Address: 807-1, Shukumachi Tosu-shi Saga Japan

[X] See attached sheet(s) for additional inventor(s) information!!

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As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PIEZOELECTRIC ELEMENT BASED ON SUPERHIGH-ORIENTED ALUMINUM NITRIDE THIN FILM AND MANUFACTURING METHOD

THEREOF the specification of which (check applicable box(s)): is attached hereto [] as U.S. Application Serial No. 10/516.333 (Atty. Dkt. No. was filed on November 30, 2004 [X] PCT/JP03/06796 May 29, 2003 was filed as PCT International application No. [X] and (if applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application: Priority Foreign Application(s): Day/Month/Year Filed Country **Application Number** 31/May/2002 2002-160568 Japan I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. Date/Month/Year Filed **Application Number** I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below: Status: patented Prior U.S./PCT Application(s): pending, abandoned Application Serial No. Day/Month/Year Filed PCT/JP03/06796 29/May/2003 pending I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint Nixon & Vanderhye P.C., telephone number 703-816-4000 (to whom all communications are to be directed) and the attorneys of: Customer Number 23117, individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent. I also authorize Nixon & Vanderhye to add or delete attorneys from that Customer Number, and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s). Date: Inventor's Signature: 1. AKIYAMA Japanese Morito Inventor: (citizenship) (first) (last) (state/country) Saga Japan Residence: (city) C/O NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY KYUSYU Mailing Address: 807-1, Shukumachi Tosu-shi Saga Japan (Zip Code) 841-0052 Date: Inventor's Signature: Japanese **UENO** Inventor: Naohiro MI (last) (citizenship) (first) (state/country) Saga Japan Tosu-shi Residence: (city) C/O NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY KYUSYU Mailing Address: 807-1, Shukumachi Tosu-shi Saga Japan

[X] See attached sheet(s) for additional inventor(s) information!!

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Serial No. 10/516,333 Page 2

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5.	Inventor's Signature:	Joshchiro	Umenchi	_	Date:	March 25, 2005
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			THEREOF			
the spe	cification of which (check is attached hereto	applicable box(s)):				
ixi	was filed on	lovember 30, 2004	as U.S. Application Serial No.	10/516,333	(Atty. Dkt. No)	
[X]	was filed as PCT Interna	tional application No.	PCT/JP03/06796	on May 29, 2003		
		application) was amende	d on	•		
and (ii	applicable to 0.0. 0. 1 0 1	application, true amondo				
amendi defined certifica applica	ment referred to above. I in 37 C.F.R. 1.56. I here ate listed below and have tion on which priority is cl Foreign Application(s): Application Numb	acknowledge the duty to by claim foreign priority by also identified below any aimed or, if no priority is c	ntents of the above identified specifications to the Patent Office all information and information and information application for patent or investained, before the filing date of this Country	mation known to me to be i any foreign application(s) fo ntor's certificate having a fil	material to patentability as in patent or inventor's ling date before that of the Day/Month/Year Filed	
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collecti therewi rely sol	vely owner's/owners' attor th and with the resulting t	rneys to prosecute this ap patent. I also authorize Ni y communicated from the	cted) and the attorneys of: Cust plication and to transact all business xon & Vanderhye to add or delete a person, assignee, attorney, firm, or	s in the Patent and Tradema ttorneys from that Custome	ark Office connected r Number, and to act and	
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[X] See attached sheet(s) for additional inventor(s) information!!

Ser	ial No.	10/516,333
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3 .	Inventor's Signature:				Date:	
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FOR ADDITIONAL INVENTORS, check box [] and attach sheet with same information and signature and date for each.